

more thrips per sweep of the net on full bloom rabbitbrush; fewer thrips or *Orius* were present on these plants after they passed the peak of bloom and only a few were found on bushes not yet in blossom. While collecting, large numbers of the thrips got upon the clothing, face and arms of the writer, causing distinct annoyance by crawling about on the skin, especially of the ears, neck and face, for approximately two hours after the collecting and observations occurred.

An *O. tricolor* was found on a leaf of willow, between Ogden and Riverdale, October 3, 1942, while feeding on a wingless aphid, *Chaitophorus viminalis* Monell. *O. tricolor* adults and nymphs often were moderately abundant on aphid infested carrots at Logan during the past season, and on July 1, 1943, one was observed, feeding on a wingless *Cavariella capreae* (Fab.). At Spanish Fork, Utah, June 25, 1943, a *tricolor* was feeding on a bean thrips, *Heliothrips fasciatus* Perg., in a bean blossom. It discarded its prey when disturbed during the observation.

Some Insect Food of the Chickadee.—Five long-tailed chickadees, *Penthestes atricapillus septentrionalis* (Harris), were collected from hawthorn and chokecherry in Utah at Cove, September 10, 1940. An examination of their stomach contents revealed the following insects present: 10 Collembola in two stomachs; 10 Hemiptera including 7 nymphs, and 2 *Nysius ericae* (Schill.), all stomachs contained at least one hemipterous specimen; approximately 4,260 aphids including *Clavigerus bicolor* (Oest.), *Periphyllus negundinis* (Th.), *Aphis bakeri* Cowen, *A. cerasifoliae* Fitch, *Macrosiphum ludoviciana* (Oest.), *M. pisi* (Kalt.), *Capitophorus xanthii* (Oest.), and *Myzus persicae* (Sulz.); additional Homoptera included 16 scale insects in three stomachs, 12 Adelgidae, *Chermes cooleyi* Gill. and some of its eggs in one stomach; and 26 Coleoptera including 4 flea beetles, three weevils and 3 ladybird beetle larvae (*Scymnus?*, waxy coated). The species found indicated that the birds had fed to some extent upon aphids of sagebrush, willow, cockle-burr and probably among alfalfa. A sixth chickadee, collected on a telephone pole near willows and meadow at Mendon, Utah, September 26, 1940, contained 8 Chironomidae adults, 1 large leafhopper, and two tiny beetles.—GEORGE F. KNOWLTON, Utah Agricultural Experiment Station, Logan.